

IRTHCOMING PUBLICATIONS

Volume 80, (2006)

Special Session of Condensed Matter Days-2005 on the Majumdar - Ghosh Model, held at Berhampur University, Orissa, India, during 29-31, August, 2005

The M G Hamiltonian – a pedagogic review

DIPAN KUMAR GHOSH

Resonating valence bond states in 2 and 3D-brief history and recent examples

G BASKARAN

Majumdar-Ghosh-like spin models in low dimensions

INDRANI BOSE

Non-linear sigma model approach to quantum spin chains

SUMATHI RAO

A solvable quantum antiferromagnet model

BIKAS K CHAKRABARTI AND JUN-ICHI INOUE

Regular Articles

Atomic & Molecular Physics

The effect of high magnetic field on the scattering of electron with atomic hydrogen

AJOY CHAKRABORTY

Condensed Matter & Materials Physics

Temperature and wavelength dependence of transient photoconductivity in ZnTe

S JOHNSTON, R K AHRENKIEL, S BHUNIA AND D N BOSE

General & Interdisciplinary Physics

Monte-Carlo simulation of electron transport in solids and biological materials

M FARHAD RAHIMI AND NIMA GHAL-EH

Nuclear Physics

Measurement of cross sections for the reactions $^{65}\text{Cu}(n,\alpha)^{62}\text{gCo}$, $^{65}\text{Cu}(n,p)^{65}\text{Ni}$, $^{65}\text{Cu}(n,2n)^{64}\text{Cu}$, $^{58}\text{Ni}(n,2n)^{57}\text{Ni}$ and $^{58}\text{Ni}(n,p)^{58\text{m}}\text{Co}$ at 14.8 MeV neutron energy

A K M HARUN-AR-RASHID, M U KHANDAKER, M N ISLAM, A K M M H MEAZE,
SK A LATIF, M A HALIM, K NAHER, M N CHOWDHURY, M S UDDIN, M A HAFIZ AND
M M RAHMAN

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An investigation of the $^{16}\text{O} + ^{16}\text{O}$ elastic scattering by phenomenological and double-folding potentials in optical model formalism at the energies between $E_{\text{LAB}} = 75$ and 145 MeV

M E KURKCUOGLU AND H AYTEKIN

Notes

On the acoustic deformation potentials of some II-IV-V₂ ternary chalcopyrites and their mixed versions

L K SAMANTA, S CHATTERJEE AND P CHANDRA

Some comments on fractality of proton at small x

D K CHOUDHURY AND RUPJYOTI GOGOI

IACS Proceedings

Ripon Professorship Endowment Lecture

Orbital ice and its melting phenomenon

TAPAN CHATTERJI